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SAPC 24300

Cy 1 of 8

7 February 1958

MEMORANDUM TO: PROJECT DIRECTOR FOR DEVELOPMENT
AND PROCUREMENT

(10)

SUBJECT : Project Readout Equipment

1. A meeting on the above subject was held at Headquarters on 7 February 1958 with the following personnel in attendance:

25X1A

(first part of meeting)

25X1A

2. The various readout racks were discussed with the following results:

a. A, B1, and B2 racks have been debugged and are satisfactory for use in their present state.

b. The C rack is satisfactory in its present state; however, an approved modification to allow tape speeds of 30 and 60 IPS has not been incorporated in the racks to date. [redacted] requests that R-W prepare Field Modification Kits to allow this modification to be accomplished as soon as possible. It is the understanding of all concerned that funds have already been allocated for this modification. [redacted] will look into this while on TDY to R-W next week. [redacted] will also investigate from this end.

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c. The D rack is under development by [redacted] and work is progressing satisfactorily. [redacted] is concerned, however, about recent Soviet electronic developments and fears that we may have to add to the channel capacity of the equipment. Most of the information on new Soviet developments has been brought to light by our System IV missions.

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d. The E rack is not yet in our hands. Progress by R-W has been extremely slow on this equipment. [redacted] will look into this subject the week of 10 February.

e. The F rack is unsatisfactory in its present state. Travel speed of the paper is presently $\frac{1}{2}$ " and 2" per minute. We must delete the $\frac{1}{2}$ " speed and modify to give us a speed of 2" and 8" per minute. If 8" per minute is not possible we will settle for the maximum speed possible up to 8" per minute. A terminal must be provided in the F rack to allow relay of the timing signals to the N rack. [redacted] will follow through on [redacted] of particular requirements as soon as possible.

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f. The G, H, J, and K racks are satisfactory in their present state. This endorsement applies only to the racks presently in use at NTPC. These racks have been debugged by RW and Blue Room personnel.

25X1A g. [REDACTED] recommends that the balance of the L rack procurement be cancelled. A change in operational concept has greatly reduced the need for this equipment. The completion of 15 to 20 System IV missions per month would dictate the use of the F rack concept. However, the impact of 1 or 2 System IV missions per month does not justify the use of this equipment. [REDACTED] is investigating this problem.

25X1A h. [REDACTED] states that a serious problem exists in the M and N racks with regard to AGC readout. He recommends that [REDACTED] provide a modification to correct the AGC deficiency. This modification will require the use of a multiple pen brush recorder to attain the desired results. The N rack must allow normal and 4 times normal speed to function properly. [REDACTED] will check into the tape speed questions at RW on 10 February 1958. [REDACTED] will furnish guidance on required modifications.

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Major

USAF

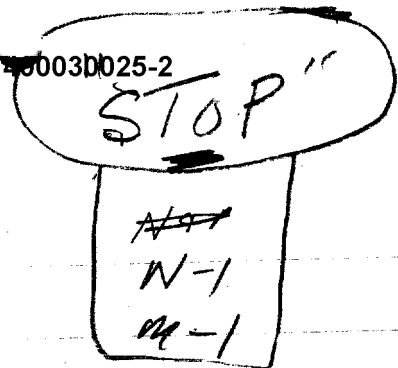
PCS/DCI/LSJ:pb

Dist.:

Cy 1 - [REDACTED]
Cy 2 - ESO
Cy 3 - [REDACTED]
Cy 4 - [REDACTED]
Cy 5 - Intell
Cy 6 - LSJ
Cy 7 - RI
Cy 8 - Ops chron

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1. N+M rack \$12,700

1N + 2M =
 20% #1N = DC output \$2,500
 prod \$25000
 20% 2M = compatibility to N \$2,500
 prod. 100 ea

60%. 2M - Frequent response \$7,700
 Expansion gain
 prod \$15000

1N - 90% completed
 2M - 17TH Feb, 24TH Feb

2. Check to see
 3 Model Bunt with heater
 cover
 for check 3's coming back

Dan-

I requested you
be given action on
this one because it
involves contractual
changes. A copy has
gone to [REDACTED] and
he should advise you
in his capacity as
R & D monitor. Eric

25X1A